



## Product information

# LEICA PRADOVIT PC



**The traditional advantages of a Leica product** all apply to the new LEICA PRADOVIT PC: Outstanding, high performance optics, precise mechanics and modern electronics, designed from a user-specific perspective.

The new PRADOVIT PC extends the PRADOVIT P600 and P600 IR range of powerful slide projectors with a premium model with interesting, practical equipment:

**The integrated serial interface** allows direct control of the projector from a PC via its RS 232 interface. If a modern dissolve control unit is being used, its advantages can be utilised to the full. The P-COM protocol familiar from LEICA PRADOVIT RT projectors is also used in a reduced form in the new PRADOVIT PC. The serial interface consists of a socket for the signal input (P-BUS IN) and another for the signal output

(P-BUS OUT). Both sockets are clearly marked and easily accessible on the rear of the projector. The P-BUS interfaces can be used to link and control up to 16 projectors. A control light (LED) indicates the presence of a P-COM signal. The standard 14-pin DIN socket is also available for conventional control of the new PRADOVIT PC.

The PRADOVIT PC also benefits from Leica's know how in coating optical glass: **20% more light output** is a result of the new, multi-layer coated condenser system. The coating significantly increases the brightness – to >1100 lm (lumen) – and at the same time effectively prevents undesirable increases in the slide window temperature. In conjunction with the 24V/250W halogen lamp and the superb Leica projection lenses, this means that your slides are reproduced brightly and clearly – just as you captured them when

taking the photographs – even with a long projection distance.

**The torsion-free die cast aluminium chassis** gives the PRADOVIT PC optimum stability and extremely low vibrations, forming a solid base for all components. The upper section, made of shock- and scratch-resistant plastic, has a captivating new anthracite color, which gives the PRADOVIT PC an external appearance to match its high-quality features. The projector's height is adjusted using the two locking knurled screws on the front, retaining the unit's alignment.

**The practical features** provide everything you could need: There is a slide preview panel on the top of the projector for viewing, selecting and sorting your slides. The integrated, fold out slide claw allows projection without the use of a tray or resorting incorrectly positioned pictures without



moving the tray. The cord-connected remote control with integrated light pointer can be stowed in the side panel to save space. Also in a handy position on the side panel is the built-in timer for automatic projection with continuously adjustable slide display intervals of between 3 and 40 seconds.

**Ten high performance Leica projection lenses** from 60 to 250 mm, first and foremost the unsurpassed LEICA SUPER-COLORPLAN P2 90 mm f/2.5, are available for the PRADOVIT PC. This opens up a wide range of possible applications, from home projection in small rooms to projection over large distances for a slide presentation in a large hall.

**The automatic bulb changer** on the PRADOVIT PC brings a reserve bulb into position if the main

24V/250W bulb should blow. This process takes place so quickly that it will only seem like the blink of an eye to spectators. To ensure that the faulty halogen bulb is replaced at the earliest opportunity, an LED on the rear of the unit serves as a reminder that the projector is currently using the reserve bulb.

**The precise autofocus feature** on the PRADOVIT PC can distinguish between slides with and without glass and sets the focus automatically for mixed projection, quickly and accurately. In addition, you can make manual adjustments at any time (override feature), with automatic focusing being re-activated for the next slide. As the image size on the screen changes slightly when focusing, the autofocus feature can also be turned off com-

pletely for certain situations (e.g. panorama projection).

**Effective direct slide cooling**, in conjunction with the heat filter, guarantees that the slides are not damaged, even with long display times. Additional protection is provided by a thermo safety switch, which interrupts the bulb's power supply in case of overheating, protecting the projector and slides from damage.

**Four different slide tray systems** can be used with the PRADOVIT PC: a DIN 108 standard tray, a spill protected and space saving LKM tray, a CS tray and a circular tray for 120 slides, which allows continuous projection using the built in timer with no problems.

## Technical data

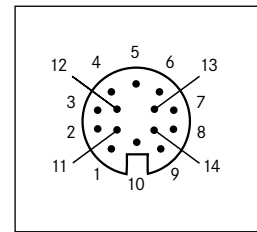
- **Slide tray System** LKM tray for 60 or 80<sup>1</sup> slides. Standard tray for 36 or 50<sup>1</sup> slides. CS tray for 40 or 100<sup>1</sup> slides and circular tray for 120 slides.
  - **Slide tray control, slide transport and change** Tray compartment freely accessible. Convenient loading of trays. Fault-free slide transport with securely guided slide claw. Projection of all frame types, including those with different thickness (frames according to DIN 108). Dark interval only approx. 1.3s. Built in timer for automatic slide change, continuously adjustable display intervals between 3 and 40s. Low noise slide transport and slide change. Fold out slide claw.
  - **Slide change** Separate forwards and backwards slide change keys. Remote control unit with built-in light pointer can be stored inside the projector.
  - **Lenses** Leica P2 projection lenses
  - **Autofocus feature** "Intelligent" AF distinguishes between slides with and without glass frames and adjusts the focus automatically. Additional correction via remote control possible, without changing the default AF setting. It is valid again after every slide change. AF uses a separate measuring system, independent of the centering of the projection lamp. High adjustment accuracy. AF can be turned off altogether.
  - **Lighting system** Automatic bulb change with 24V/250W halogen bulbs (base G 6.35). Reserve bulb mode is indicated by an LED. Unit comes complete with 2 bulbs. Projection bulbs are easy to change. Built in multi-layer coated interchangeable condensers for 60–150mm lenses and focal lengths above 150mm. Illumination up to 38x38 (superslides). Illumination uniformity more than 80% (with Colorplan-P2 90mm f/2.5 and image size of 24x36).
  - **Utilised flux** To DIN 19021 standard, with image size 24x36 and Colorplan-P2 90mm f/2.5 lens. approx. 1100lm.
  - **Cooling system** Direct ventilator fan for optimum cooling of slides, bulb and projector. Absorption of infrared rays, leading to reduction of heat load on slide through additional heat filter (Schott glass). Extremely quiet, fault-free ventilator.
  - **Picture window temperature** To DIN 19021: Average 65°C (temperature rise 45° K)
  - **Mains supply** 230V/50Hz (Euro voltage), power consumption approx. 350W, separate connecting cord, approx. 2m long.
  - **Electrical safety** Protection class I. Unit complies with interference and EMC directives, GS mark. Easily accessible unit fuses (2 x T 1.25A). Double insulated unit: VDE, GS, CE and interference mark.
  - **Thermo safety switch** Built in.
  - **Housing** Solid, torsion-free die-cast aluminium chassis: Upper section made of high quality shock-resistant plastic with structured surface and metallic lacquer. Stable three-point installation, horizontal compensation using large, handy, knurled screws. Slide preview panel on top of unit.
  - **Connections**
    - 14-pin socket for
      - External remote control; extension cord (10m) can also be used
      - Infrared remote control IR PCM
      - Slide controllers (sound linking) via multiple connector
      - Dissolve control unit<sup>2</sup>
    - P-Bus input and output (serial interface with SUB-D9 connector/coupler) for direct projector control (fade in and out, transport, focusing) using
      - PC via P-COM protocol communication language
      - Any control unit<sup>2</sup>Detection of a P-COM protocol is indicated by an LED. Up to 16 projectors can be connected in series via the P-Bus inputs and outputs (daisy chain), with automatic addressing according to the sequence of the connection.  
Connection variants can only be used as alternatives (use of one connection turns the others off).
- **Dimensions** (WxHxD) 280x135x310mm
- **Weight** approx. 6.5kg

<sup>1</sup> Not suitable for use with Elmarit-P2 60mm f/2.8.

<sup>2</sup> Professional software for controlling projectors is available from the following suppliers:  
Stumpfl GmbH  
<http://www.stumpfl.com>  
Bässgen AV-Technik GmbH  
<http://www.baessgen.de>  
Richter & Wehner Presentation Technology  
<http://www.mobjects.com>

## Connector/socket assignment

### 14-pin connection socket

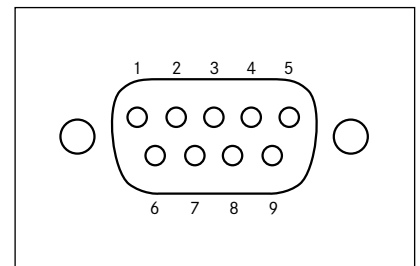


(looking at the socket)

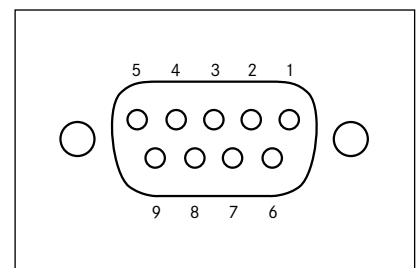
- 1 Transport back (+UB signal)
- 2 Transport forward (+UB signal)
- 3 +UB
- 4 Triac gate
- 5 24 V~ (VAC)
- 6 24 V~ (Triac A1)
- 7 Focus in/out (+UB/-UB signal)
- 8 Triac A2
- 9 Triac A2
- 10 Not connected
- 11 Not connected
- 12 Not connected
- 13 -UB
- 14 Not connected

### P-BUS input and output

#### Output (socket)



#### Input (socket)



Of the 9 pins on the P-BUS interfaces, only the following 2 are assigned:  
Pin 3: Receive (input) or send data (output) Rx/D  
Pin 5: System earth



my point of view

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— **LEICA PRADOVIT PC**

Order no. 30 962

— **Scope of delivery**

with integrated TRIAC and timer, automatic lamp changer,  
 cable remote control, 2 24V/250W lamps

— **Accessories**

Leica P2 projection lenses

Elmarit-P2 1:2.8/60mm Order no. 37 510

Hektor-P2 1:2.8/85mm Order no. 35 711

Colorplan-P2 1:2.5/90mm Order no. 37 512

Super-Colorplan-P2 1:2.5/90mm Order no. 37 514

Elmarit-P2 1:2.8/120mm Order no. 37 515

Elmarit-P2 1:2.8/150mm Order no. 37 516

Elmaron-P2 1:3.4/200mm Order no. 37 520

Elmaron-P2 1:4/250mm\* Order no. 37 521

Vario-Elmarit-P2 1:2.8/70–120mm<sup>1</sup> Order no. 37 518

Vario-Elmarit-P2 1:3.5/100–200mm<sup>1</sup> Order no. 37 524

Interchangeable condensor for Pradovit P600  
 models with Elmaron P2 1:3.4/200mm  
 and as replacement for P2 110–200mm and  
 250mm lenses

Order no. 37 229

Stackable containers

with 2 standard trays for 36 slides each Order no. 37 844

with 2 standard trays for 50 slides each Order no. 37 855

Stackable LKM containers

with 2 trays for 60 slides each Order no. 37 979

with 2 trays for 80 slides each Order no. 37 980

Circular tray Order no. 37 327

Tray track extension Order no. 37 329

Case Order no. 37 323

Infrared remote control unit IR PCM Order no. 37 990

Extension cord Order no. 37 319

Dissolve control unit LEICA DU-24 MT Order no. 37 996

Dissolve control unit LEICA DU-24 M2 Order no. 37 997

Projection rack Order no. 37 324

— **Spare parts**

Projection bulb Order no. 038-101.098-000

Light pointer bulb Order no. 37 307

Driving belt Order no. 304-570.801-030/304-570.801-106

<sup>1</sup> Only up to format 24 x 36 mm.